

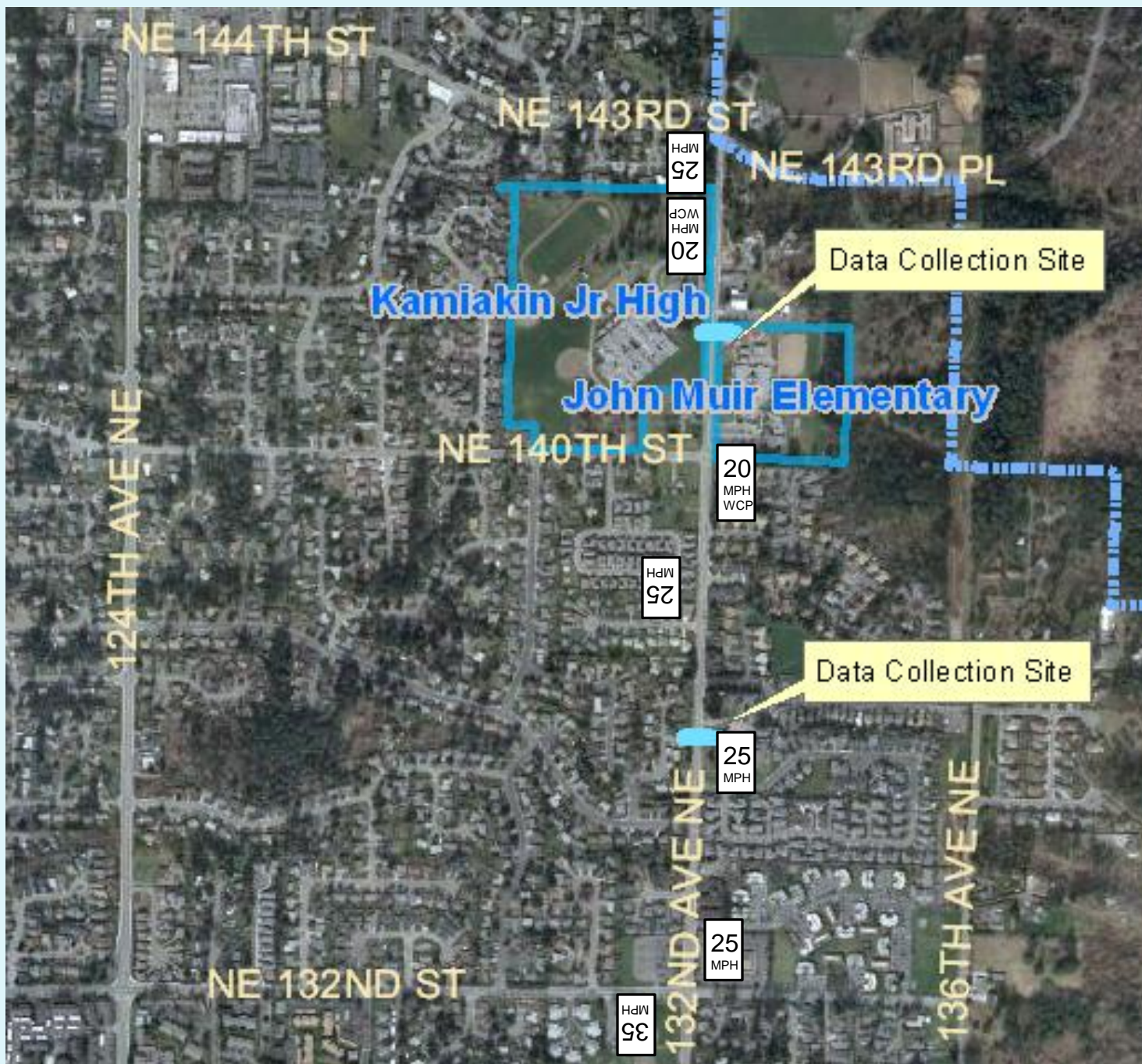
132nd Avenue Speed Study

Evergreen Hill Neighborhood June 20, 2012

David Godfrey, P.E.
City of Kirkland Public Works Department
dgodfrey@kirklandwa.gov

Data

- Gathered April 16–22, 2012
- Weekdays
- Two sites
- 20,000 + observations at each site in each direction
- Collected in 5 MPH bins



Terms

- **% greater than 25 MPH**

Measure of violation

- **Average**

Sum of observations divided by the number of observations

- **85th percentile**

85% of the observations are slower than this

- **10 mph pace**

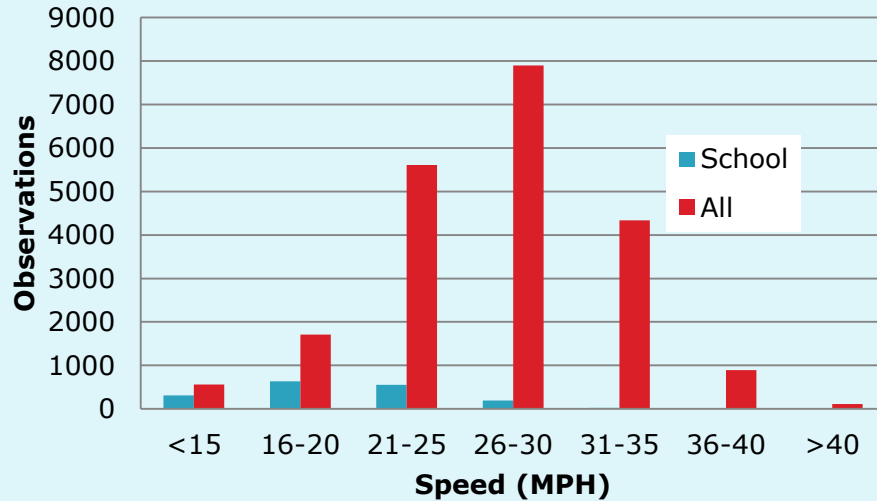
Upper limit of the Consecutive 10 mph with the most observations

Results

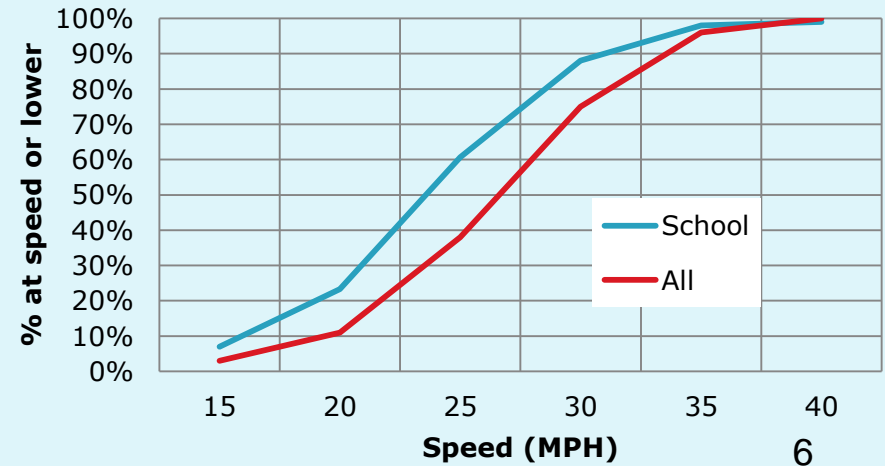
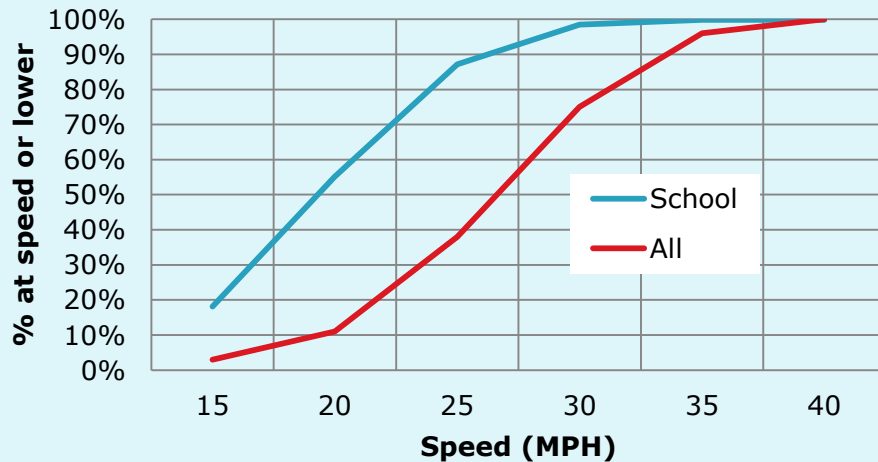
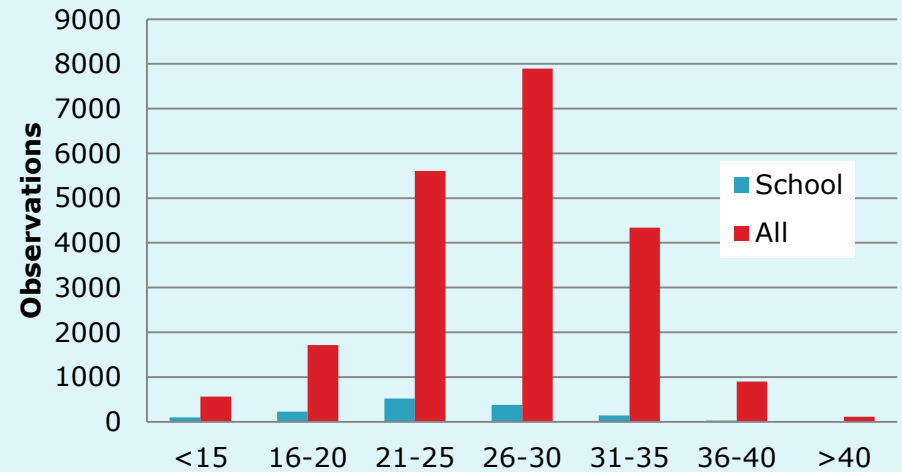
Location		% 25+	Ave	85th	10 mph pace
600' N. of NE 140 th	Nbound	85%	30	35	35/70%
	Sbound	68%	28	34	35/62%
1200' S. of NE 140 th	Nbound	86%	30	35	35/75%
	Sbound	91%	31	35	35/79%

School

SB N of NE 140th AM 8:00-8:15, 8:45-9:00



SB N of NE 140th PM 2:30-2:45, 3:15-3:30



Prevailing Speed
(85th Percentile speed)

Posted speed limit

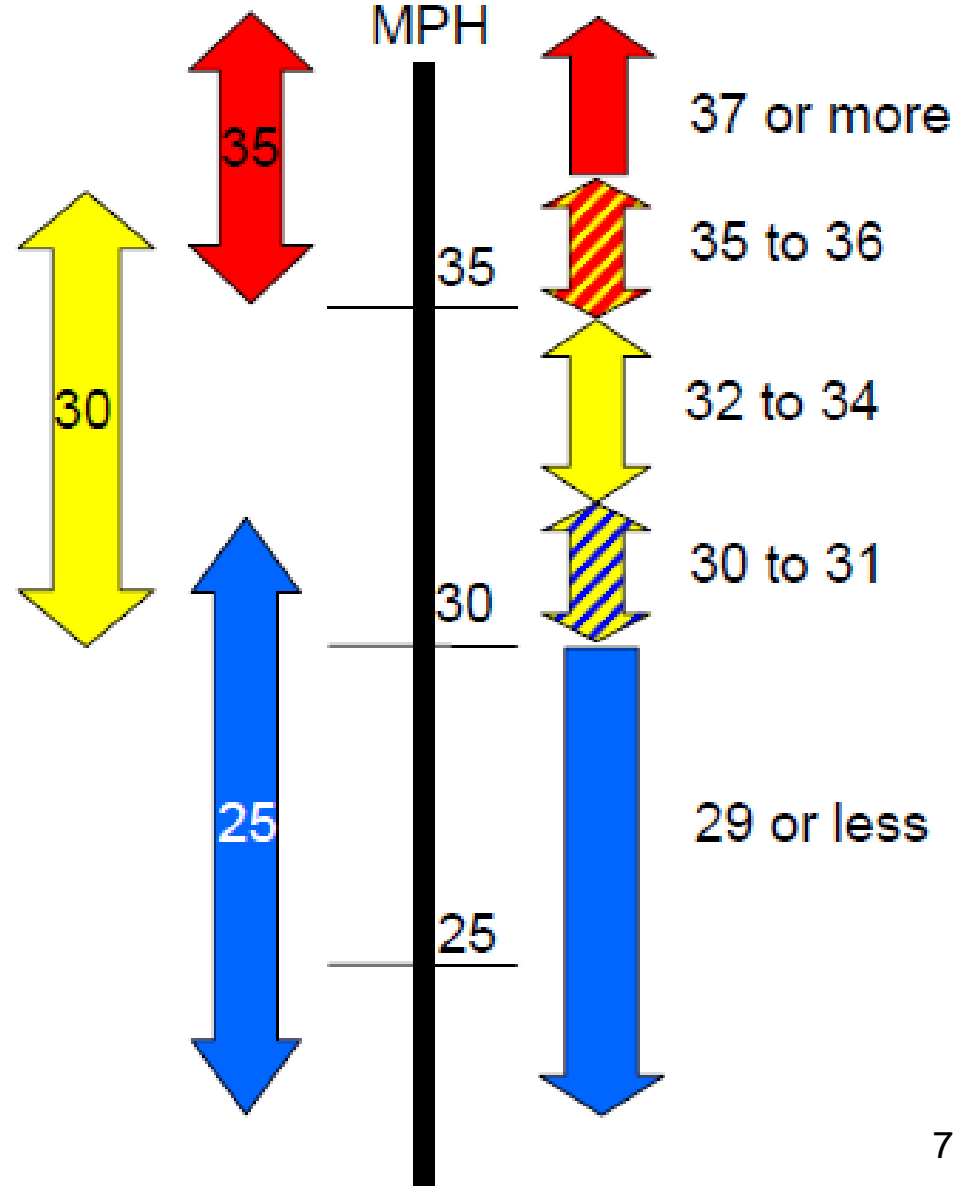
MPH

Instructions for use

1. Find the prevailing speed on the right hand side of the chart.

2. Follow straight left to the appropriate posted speed limit. Speed limit is set at 25, 30 or 35 MPH.

3. When the prevailing speed is in one of the striped areas, the higher posted speed should be used unless special conditions warrant otherwise. Special conditions include the nature of hills and curves, accident history, land use patterns and speed limits on adjacent road segments.



Conclusion

- Data could support a higher speed limit, but...consider the schools.
- Like to see agreement

Process

- Transportation Commission June 27
- City Council